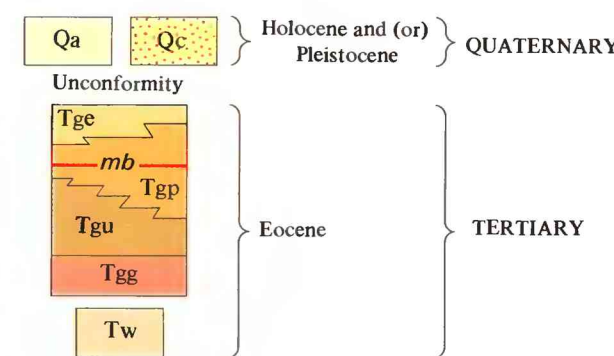




CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- Qa** ALLUVIUM (HOLOCENE AND (OR) PLEISTOCENE) – Unconsolidated gravel, silt, and clay
- Qc** COLLUVIUM (HOLOCENE AND (OR) PLEISTOCENE) – Landslide, talus, and slopewash deposits
- Tge** GREEN RIVER FORMATION (EOCENE):  
Evacuation Creek Member – Gray to brown dolomitic claystone, dark-brown papery oil shale, and tan-brown dolomitic siltstone and sandstone. Weathers to tan-gray rounded hills. The lower part intertongues with the Parachute Creek Member. The contact is arbitrarily placed at the base of the lowermost tan-weathering siltstone or sandstone bed overlying gray-weathering dolomitic oil-shale and clay-shale beds that compose the upper part of the Parachute Creek Member. Only the lower 400 feet are present in the mapped area
- Tgp** Parachute Creek Member – Chiefly dolomitic oil shale interbedded with brown to olive-gray dolomitic clay shale. Sparse beds of gray siltstone, algal limestone, and analcimized tuff. Thin oil-shale beds contain rounded calcite pseudomorphs of the saline mineral nahcolite. Weathers to chalky gray cliffs and steep slopes. Contains the Mahogany oil-shale bed (mb). 600-1,200 feet thick
- Tgu** Unnamed unit – Chiefly shoreline deposits generally barren of oil shale. Brown to gray-green dolomitic claystone and algal limestone. Some gray siltstone, gray fine-grained sandstone, analcimized tuff, and tan oolitic limestone. Sparse very thin dark-brown oil shale is present at some localities. Weathers to steep gray slopes interrupted by tan-brown-weathering siltstone and sandstone benches. A stratigraphic unit that is laterally equivalent to the lower part of the Parachute Creek Member. 275-600 feet thick
- Tgg** Garden Gulch Member – Chiefly dark-brown to black brittle flaky oil shale and thin beds of tan algal limestone, tan claystone and gray mudstone, sparse light-gray fine-grained sandstone and laminae of tan ostracodal limestone, and tan oolitic limestone. Weathers dark gray. About 350 feet thick
- Tw** WASATCH FORMATION (EOCENE) – Gray, green, and some red silty mudstone and gray to gray-green very fine grained crossbedded sandstone. A few thin beds of gray to gray-brown ostracodal or mollusk-bearing limestone. About 600 feet thick. Only the upper part is exposed, poorly, along Roan Creek

- Contact – Approximately located in local areas
- Strike and dip of beds
- Anticline – Showing direction of plunge
- Syncline – Showing direction of plunge
- Structure contours – Drawn on top of the Mahogany oil-shale bed; dashed where datum is eroded. Contour interval 100 feet
- Core hole – Cored for oil shale
- ⊕ Dry hole – Drilled for oil and gas, showing operator's name and lease name

GEOLOGIC MAP OF THE HENDERSON RIDGE QUADRANGLE, GARFIELD COUNTY, COLORADO

By  
Henry W. Roehler  
1973